

Claims

1. A marking device having a laser (103, 203, 314) and a fastening element (107, 202, 312), characterized in that the marking device (100, 200, 300) includes a goniometer (102, 206, 340).

2. The marking device as recited in claim 1, characterized in that the laser (103, 203) is located rotatably on the marking device (100, 200).

10 3. The marking device as recited in claim 2, characterized in that the orientation of the laser (103, 203) is settable with the aid of the goniometer (102, 206).

15 4. The marking device as recited in one of the foregoing claims, characterized in that the laser (103, 203) is located detachably on the marking device (100, 200).

20 5. The marking device as recited in one of the foregoing claims, characterized in that the marking device (100, 200) includes a length measuring device (104, 204, 310).

25 6. The marking device as recited in claim 5, characterized in that the length measuring device (104, 204, 310) is a measuring tape (204).

7. The marking device as recited in one of the foregoing claims, characterized in that the marking device (200) includes a yoke (205, 306).

30 8. The marking device as recited in claim 5, characterized in that the length measuring device (104, 204) is a surveyor's rod (104).

9. The marking device as recited in claim 8, characterized in that the goniometer (102) is located on the surveyor's rod (104) and is adjustable along it.

10. The marking device as recited in claim 7, characterized in that the goniometer (206, 340) is located on the yoke (205, 306).

11. The marking device as recited in one of the foregoing claims,
5 characterized in that the fastening element (107, 202, 312) includes a screw clamp (202).

12. The marking device as recited in one of the foregoing claims,
characterized in that the laser (314) is adjustable along a path (338).

10 13. The marking device as recited in claim 12, characterized in that the path (338) has at least one curved portion.

15 14. The marking device as recited in claim 13, characterized in that the path (338) includes a circular arc.

15. The marking device as recited in claim 7 and one of claims 12 through 14, characterized in that the yoke (306) is intended for guiding the laser (314) along the path (338).

20 16. The marking device as recited in claims 5 and 14, characterized in that the length measuring device (310) is intended for measurement along a measuring shaft (346), and a center point (350) of the circular arc is located on the measuring shaft (346).

25 17. The marking device as recited in one of the foregoing claims, characterized by a unit by means of which an orientation of at least one marking means (304) is adaptable.

30 18. The marking device as recited in claim 17, characterized in that the unit is formed by a fastening unit (316).

19. The marking device as recited in claim 18, characterized in that the fastening unit (316) has fastening elements (318, 320, 322, 324, 326, 327, 332,

334, 336), which are associated with at least two orientations of the marking means (304).

20. The marking device as recited in claim 18 or 19, characterized in that the
5 fastening unit (316) has fastening elements (318, 320, 322, 324, 326, 327, 332,
334, 336) which are located symmetrically relative to a plane (360, 361).